

Converting Colors

CIELCh(33, 36.403, 113.286)

Have a look what the booklet for
CIELCh(33, 36.403, 113.286)
contains.

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Color

CIELCh(33, 36.525, 113.425)

Conversions

Conversions Part 1

Format	Color
Hex	475314
RGB	71, 83, 20
RGB Percent	28%, 33%, 8%
CMY	0.7224, 0.6753, 0.9224
CMYK	0.15, 0.00, 0.76, 0.68
HSL	71°, 61%, 20%
HSV	71°, 76%, 32%
XYZ	5.7856, 7.5373, 1.8020
YIQ	72.2300, 13.0710, -22.1370

Conversions

Conversions Part 2

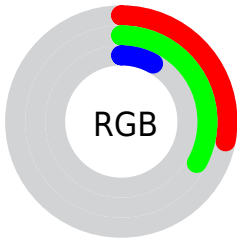
Format	Color
R_{YB}	20, 83, 32
Decimal	4674324
CIE Lab	33.00, -14.52, 33.51
CIE LCh	33, 36.525, 113.425
Yxy	7.5373, 0.3825, 0.4983
Android (android.graphics.Color)	4282864404 (0xFF475314)
YUV	72.2300, -25.7494, -1.0787
Hunter-Lab	27.4541, -10.4278, 15.3262

Details

The CIELCh color **33, 36.525, 113.425** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12, 44.377, 304.985**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 36.518, 113.447**, and **13, 23.302, 125.172** is the 20% darker color. If you saturate the color by 10%, you get **33, 39.741, 113.339**, and if you desaturate by 10%, it is **33, 32.624, 113.731**.

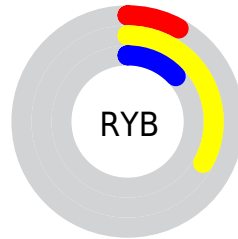
Distribution



 Red (28%)

 Green (33%)

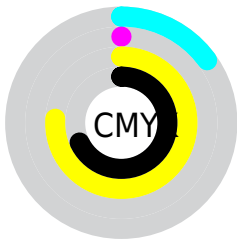
 Blue (8%)



 Red (8%)

 Yellow (33%)

 Blue (13%)

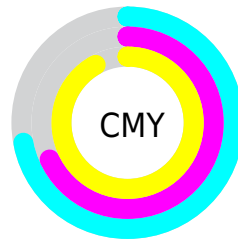


 Cyan (15%)

 Magenta (0%)

 Yellow (76%)

 Black (68%)



 Cyan (72%)


 Magenta (68%)


 Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 36.525, 113.425 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 33, 36.525, 113.425 by changing the saturation by 10% instead.


 33, 36.525,
113.425


 33, 36.525,
113.425

 100, 36.525,
113.425


 23, 36.525,
113.425

 53, 36.525,
113.425


 13, 36.525,
113.425


 63, 36.525,
113.425

 3, 36.525, 113.425

 73, 36.525,
113.425

 0, 36.525, 113.425

 83, 36.525,
113.425

 93, 36.525,
113.425

■ 33, 36.525,
113.425

■ 33, 36.525,
113.425

■ 33, 39.741,
113.339

■ 33, 32.624,
113.731

■ 33, 42.503,
113.371

■ 33, 28.234,
114.185

■ 33, 43.668,
113.336

■ 34, 23.512,
114.735

■ 34, 18.577,
115.342

■ 34, 13.507,
115.976

■ 35, 8.357, 116.618

■ 35, 3.167, 117.253

■ 35, 2.038, 297.867

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33, 36.525, 113.425



12, 44.377, 304.985

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33, 36.525, 113.425



33, 36.525, 163.425



33, 36.525, 293.425



33, 36.525, 343.425

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33, 36.525, 113.427



44, 14.738, 116.125



20, 30.333, 40.197



22, 10.073, 115.986



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33, 36.525, 113.427



42, 49.868, 113.471



31, 41.448, 131.930



16, 2.869, 117.088



41, 51.413, 113.641



86, 92.463, 114.340

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



12, 44.377, 304.985



13, 64.212, 306.650



16, 43.494, 317.741



15, 2.922, 298.199



10, 68.145, 307.552



30, 123.039, 307.088

Previews

White Background



This preview shows how the CIELCh color 33, 36.525, 113.425 looks on a white background.

Color Contrast Check

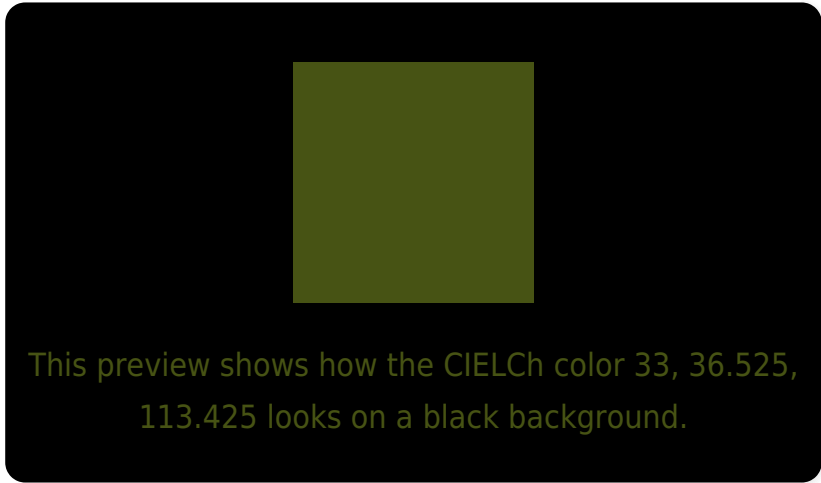
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

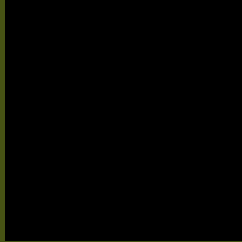
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 36.525, 113.425

Background



This preview shows how black text looks on a background with the CIELCh color 33, 36.525, 113.425.



This preview shows how white text looks on a background with the CIELCh color 33, 36.525, 113.425.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


33, 36.525, 113.425

Protanopia

33, 34.538, 96.279

Deuteranopia

33, 32.591, 83.007



Tritanopia
33, 3.787, 290.849

Trichromacy



Original Color
33, 36.525, 113.425

Protanomaly
33, 35.070, 103.144

Deuteranomaly
33, 32.832, 95.235

Tritanomaly
33, 12.012, 116.938

Monochromacy



Original Color
33, 36.525, 113.425

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 14.535, 115.034

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 36.525, 113.425 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(71, 83, 20)` looks like.

```
.text, #text, p{  
    color:rgb(71, 83, 20)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(71, 83, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 83, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 36.525, 113.425 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 83, 20) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(71, 83, 20) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(71, 83, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 83, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 83, 20);  
box-shadow:4px 4px 4px 4px rgb(71, 83, 20)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 36.525, 113.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 83, 20) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(71, 83,  
20) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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